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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,152	09/09/2003	Isao Mochizuki	117047	1896
25944 7590 02/19/2008 OLIFF & BERRIDGE, PLC P.O. BOX 320850			EXAMINER	
			MOON, SEOKYUN	
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			2629	
			MAIL DATE	DELIVERY MODE
			02/19/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/657,152	MOCHIZUKI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Seokyun Moon	2629				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status .	•					
1) Responsive to communication(s) filed on 18 Ja	nuarv 2008.					
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
·	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
·	annlication					
	Claim(s) <u>1,3-8,and 10-32</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) <u>1,3-8,10-17 and 19-32</u> is/are allowed.	· · · · · · · · · · · · · · · · · · ·					
· · · · · · · · · · · · · · · · · · ·	Claim(s) 18 is/are rejected.					
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
·= ··-	election requirement.	•				
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>09 September 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents	have been received.					
2. Certified copies of the priority documents						
3. Copies of the certified copies of the prior	ity documents have been receive	ed in this National Stage				
application from the International Bureau	(PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of	of the certified copies not receive	d.				
A44-2-h4/1	•					
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
Paper No(s)/Mail Date 6) Other:						

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DETAILED ACTION

Response to Amendment

1. In the previous Office Action, independent claims 1 and 8 were rejected under 35 U.S.C. 103(a) and claims 2 and 9 which depend on claims 1 and 8 respectively, were objected to.

The Applicant has amended claims 1 and 8 to include the subject matter which is previously disclosed in the objected claims 2 and 9.

Accordingly, in this correspondence, claims 1 and 8 are allowed.

Independent claim 18 was allowed in the previous Office Action. However, the Examiner respectfully submits that, in this correspondence, the claim is rejected based on a combination of the prior arts of record and a newly presented prior art.

Accordingly, this Office Action is made Non-Final.

Allowable Subject Matter

2. Claims 1, 3-8, 10-17, and 19-32 are allowed.

Claim Objections

3. Claim 18 is objected to because of the following informalities: Line 14 - "second keyboard units are in the folded stated".

Appropriate correction is required.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Leman (US 2001/0054986), Katz (US 6,088,220), Furuki (2002/0050980), and further in view of Batio (US 6,081,207).

Leman teaches a personal computer [fig. 1] including:

a computer main unit ("102") provided to a keyboard unit; and

a foldable display including a cover unit (the cover for the "first display 106" and the "second display 110") having a length longer than the keyboard unit, the cover unit including a support portion at a lower end for rotatably supporting the cover unit in a cantilever state at one edge of the computer main unit so that the display is openable and foldable.

Leman does not teach the foldable display being a flexible display.

However, Katz [fig. 6] teaches an idea of disposing a flexible display sheet set in a cover unit of a display and thus providing a foldable flexible display.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the foldable display of Leman to include a flexible display sheet instead of using a conventional liquid crystal display, as taught by Katz, since a flexible display is well known for light weight with great flexibility.

Leman as modified by Katz does not teach the personal computer including a foldable keyboard.

However, Furuki teaches an idea of providing a personal computer [par. (0002) lines 1-2] including a foldable keyboard [fig. 18], which includes a first keyboard unit ("2a"), a second keyboard unit ("2b"), and a rotatable connecting part ("4") provided between the first and second keyboard units, so that the first and second keyboard units are rotated to come apart from each other into an unfolded,

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horizontally arranged state through the connecting part for use of the keyboard, while the first and second

keyboard units are rotated to come close to each other into a closed folded state through the connecting

part for nonuse of the keyboard [fig. 17].

It would have been obvious to one of ordinary skill in the art at the time of the invention to

modify the personal computer of Katz as modified by Leman to include a foldable keyboard instead of

including a conventional keyboard, as taught by Furuki, in order to allow the personal computer of Katz

to include more keys/buttons on the keyboard.

Katz as modified by Leman and Furuki does not teach the cover unit including a projection

member formed at another lower end opposite to the end formed with the support portion so that a bottom

surface of the projection member is flush with a bottom surface of the opened keyboard and the computer

main unit.

However, Batio [fig. 19] teaches an idea of including a projection member at a lower end portion

of a cover unit of a display ("204") of a portable computer so that the bottom surface of the projection

member is flush with a bottom surface of a keyboard ("202") of the portable computer.

It would have been obvious to one of ordinary skill in the art at the time of the invention to

modify the cover unit of the personal computer of Katz as modified by Leman and Furuki to include a

projection member at a lower end of the cover unit so that a bottom surface of the projection member is

flush with a bottom surface of the keyboard, as taught by Batio, in order to support a portion of the

foldable display when the display is unfolded state, and thus to provide a stable display.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Seokyun Moon whose telephone number is (571) 272-5552. The examiner can normally be

reached on Mon - Fri (8:30 a.m. - 5:00 p.m.).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Sumati Lefkowitz can be reached on (571) 272-3638. The fax phone number for the organization where

this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

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Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

February 15, 2008

- s.m.